

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	("4836206" "5040539" "20020026127" "6584341" "5873875" "20010018554" "6436127" "5109859" "5202939").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:43
S2	790575	tooth or teeth or dental or dentistry or dentist	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:45
S3	14175	erythema	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:46
S4	2038	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:46
S5	2545743	optical or optic or optically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:48
S6	1421	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:48
S7	27042	shock with wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:53
S8	19	S4 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:52
S9	136980	inflammation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:52
S10	3388	(S3 or S9) with S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:52
S11	752130	(ultrasound or ultrasonic or ultrasonically or acoustic or acoustically or auditory or audible)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:53
S12	3684	S7 same S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:53

## EAST Search History

S13	4	S10 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 21:59
S14	17530	periodontal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:00
S15	798243	S2 or S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:00
S16	542	S3 with S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:00
S17	19	S5 same S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:02
S18	3	10/053103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:02
S19	16	("20020084417"   "20030018271"   "20030109773"   "20040039379"   "20040073374"   "20040167502"   "5818587"   "6045502"   "6070092"   "6081612"   "6230046"   "6522911"   "6587711"   "6631288").PN. OR ("6862542").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/24 22:03
S20	16	("20020084417"   "20030018271"   "20030109773"   "20040039379"   "20040073374"   "20040167502"   "5818587"   "6045502"   "6070092"   "6081612"   "6230046"   "6522911"   "6587711"   "6631288").PN. OR ("6862542").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/24 22:03
S21	9	("4468197"   "4836206"   "5570182").PN. OR ("5818587").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/24 22:32
S22	2398	(dental with pulp) or (tooth with nerve)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/24 22:34
S23	135	pulp\$2 with inflammation	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/24 22:34
S24	645	S5 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:35
S25	593	(S3 or S9) and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:35

## EAST Search History

S26	178589	S5 and (S7 or S11)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:36
S27	222	S22 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:36
S28	222	S24 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 22:48
S29	86	makiniemi.in. or kapola.in. or oikarinen.in. or herrala.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 23:10
S30	20	Parigger.in. or jeleva.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/24 23:11
S31	1	10/643659	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:31
S32	1	("2004/0040379").URPN.	USPAT	OR	ON	2007/12/29 15:32
S33	4	("5749364" "6546272" "5810731" "6165440").PN.	USPAT	OR	ON	2007/12/29 15:50
S34	3446	(oxygenated or (oxygen near2 rich)) with blood	USPAT	OR	ON	2007/12/29 15:50
S35	684	(deoxygenated or de\$1oxygenated or (oxygen near2 deficient)) with blood	USPAT	OR	ON	2007/12/29 15:52
S36	1922829	absorption or absorb\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:52
S37	2376733	frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:52
S38	643421	(shock with wave) or ultrasound or ultrasonic or ultrasonically or acoustic or acoustically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:54
S39	34	S34 same (S36 with S37)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:48
S40	26	S35 same (S36 with S37)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:49

## EAST Search History

S41	26	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:55
S42	22	S38 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 15:56
S43	216940	pulp or dentin or enamel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:17
S44	791001	tooth or teeth or dental or dentistry or dentist	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:43
S45	1	S34 and S35 and S43 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:44
S46	693794	wavelength	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:46
S47	16	("2685815"   "4184175"   "4479499"   "4564355"   "4586513"   "4641658"   "4685464"   "4723825"   "4757381"   "4759369"   "4836206"   "4928691").PN. OR ("5259761").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 16:46
S48	126	S34 same (S36 with S46)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:49
S49	61	S35 same (S36 with S46)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:49
S50	55	S48 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:50
S51	21	S38 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 16:50
S52	32	("4028933"   "4212206"   "4430897"   "4710030"   "4727420"   "4953539"   "5041121"   "5136172"   "5141331"   "5178836"   "5254112"   "5293873"   "5348002"   "5348003"   "5349954"   "5398685"   "5421337"   "5465722"   "5582578"   "5583634"   "5596986"   "5602894"   "5615675"   "5840023"   "5977538"   "6049728"   "6064898"   "6125290"   "6175759"   "6309352"). PN. OR ("6751490").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 16:54

## EAST Search History

S53	1275870	infrared or IR or NIR or (near\$1infrared)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:11
S54	146413	(amplitude or pulse or frequency) adj modulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:12
S55	14076	fabry\$1perot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:16
S56	58737	cementum or dentin or enamel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:24
S57	440	(quantify or quantifiable or assess or compute or gauge) with amount with blood	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:22
S58	23	S54 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:20
S59	2	S56 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:19
S60	9570	(quantify or quantifiable or assess or compute or gauge) with blood	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:22
S61	100	S60 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:22
S62	68	S38 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:22
S63	6	S53 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:22
S64	1422	(dentin or enamel) same pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:24

## EAST Search History

S65	2	S60 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:26
S66	0	"2002952144"	FPRS; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:26
S67	4	"952144"	FPRS; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:28
S68	20	perfusion and S44	FPRS; EPO; JPO; DERWENT	OR	ON	2007/12/29 18:02
S69	2239	perfusion and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:29
S70	292	S53 and S38 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:35
S71	8	S57 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:36
S72	13	S57 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:36
S73	5	S72 not Abreu	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:36
S74	930	S60 and (S44 or S43)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:37
S75	481	S38 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:37
S76	5228831	light or optic or optical or optically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:37
S77	450	S75 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:38

## EAST Search History

S78	381	S36 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:53
S79	2	"4308012".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:54
S80	33820	"433"/\$.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:55
S81	4	erythema and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 17:55
S82	13	("3533397"   "3618590"   "4197641").PN. OR ("4308012").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 17:59
S83	1	"3755900".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 17:59
S84	8	("3207151").PN. OR ("3755900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 18:02
S85	149	pulp with inflammation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 18:07
S86	38	S38 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 18:16
S87	18	("4836206" "5040539" "20020026127" "6584341" "5873875" "20010018554" "6436127" "5109859" "5202939").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/29 18:17